

Title (en)
METHOD OF PRODUCING A SODIUM SALT OF (2,6-DICHLOROPHENYL)AMIDE CARBOPENTOXYSULPHANILIC ACID

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES NATRIUMSALZES VON (2,6-DICHLOROPHENYL)AMIDCARBOPENTOXYSULPHANILINSÄURE

Title (fr)
PROCÉDÉ DE PRODUCTION DE SEL SODIQUE DE (2,6-DICHLORPHÉNYL)AMIDE D'ACIDE CARBOPENTOXY SULFONIQUE

Publication
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Application
EP 16846947 A 20160913

Priority

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Abstract (en)
[origin: EP3351530A1] The invention relates to the field of organic chemistry and medicine, and more particularly to a method of producing synthetic biologically active derivatives of carbopentoxysulfanilic acid. The present method of producing a sodium salt of (2,6-dichlorophenyl)amide carbopentoxysulfanilic acid, which includes synthesizing (2,6-dichlorophenyl)amide carbopentoxysulfanilic acid by mixing 2,6-dichloroaniline and pyridine, then adding carbopentoxysulfanilic acid chloride to the mixture, agitating the reaction mass in a medium acidified by a solution of hydrochloric acid, isolating the precipitate and washing and drying same, and also includes subsequently synthesizing a sodium salt of (2,6-dichlorophenyl)amide carbopentoxysulfanilic acid by mixing ethanol solutions of caustic soda and (2,6-dichlorophenyl)amide carbopentoxysulfanilic acid, agitating the resultant mixture, distilling off the ethanol and drying the precipitate, is characterized in that the reaction mass formed during the production of (2,6-dichlorophenyl)amide carbopentoxysulfanilic acid is agitated in a medium which is acidified with a solution of hydrochloric acid to pH 5-5.5, and the isolated precipitate may be washed with water acidified with a solution of hydrochloric acid to pH 5-5.5. This increases the yield of a sodium salt of (2,6-dichlorophenyl)amide carbopentoxysulfanilic acid to 70% (compared to a prior art yield of 32%) and also increases the purity of the target sodium salt.

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